Weed Technology, Volume 11
Author Index

Abelson, P. H., 629
Ackley, J. A., 324
Agbato, S. O., 417
Ahrens, W. H., 817
Akanda, R. U., 656
Albright, J. W., 105, 614
Al-Khatib, K., 532, 775
Allen, R. L., 59
Anderson, R. L., 608, 667
Andrews, T. S., 369
Arsenovic, M., 81
Ayeni, A. O., 417

Barnes, C. J., 762
Barnett, W., 762
Basden, T., 561
Batts, R. B., 164, 227, 580
Becker, C. D., 453
Bedmar, F., 683
Bellinder, R. R., 39, 81, 235
Berner, D. K., 704
Berry, D. F., 403
Bewick, T. A., 672
Bhandary, R. M., 793
Bhatti, M. A., 532
Bingham, S. W., 460
Birdsall, J. L., 798
Blumhorst, M. R., 832
Boerboom, C. M., 110
Bouw, W. J., 720
Boydston, R., 775
Bradshaw, L. D., 189
Braverman, M. P., 70, 303, 662
Brecke, B. J., 1, 51
Briggs, J., 793
Bruce, J. A., 373
Bryson, C. T., 838
Buhler, D. D., 496
Burns, A. B., 19, 762

Caldwell, B. C., 428
Callihan, R. H., 248
Campobasso, G., 731
Cardina, J., 782
Carter, R., 838
Chammas, G. A., 98
Charudattan, R., 212
Clay, P. A., 354
Coble, H. D., 308, 473, 520, 543, 573
Cole, D., 346
Colvin, D. L., 1, 51
Crawford, S. H., 379
Crowder, S. H., 59
Cudney, D. W., 24, 478
Culpepper, A. S., 164, 227, 335
Currie, R. S., 7
Curry, M. P., 828
Czapar, G. F., 828
Czarnota, M. A., 460

Daml, R. J., 489
Darwent, A. L., 346
de Regt, M. Q., 767
de Ruiter, H., 290
DeFelice, M. S., 207, 453
Devalerio, J. T., 212
DiTomaso, J. M., 98
Doohan, D. J., 744
Dowler, C. C., 466, 656
Duke, S. O., 767
Duncan, R. R., 689
Durgan, B. R., 489, 591

Eberlein, C. V., 257, 755
El-Hamid, M. A., 7
Elliott, M. L., 64
Elmore, C. L., 24, 478
Else, M. J., 318
Elwakil, M. A., 212

Fay, P. K., 176
Foy, C. L., 623, 846
Frisch, J. C., 123

Gaeddert, J. W., 132
Gaffney, J. F., 76
Gibeault, V. A., 24, 478
Glenn, S., 436
Green, J. M., 298, 704
Gressel, J., 633
Grichar, W. J., 708, 714, 739
Griffin, J. L., 354, 804
Guttieri, M. J., 257, 755

Hall, R. D., 644
Hamill, A. S., 549
Hanson, G. E., 567, 748
Hanson, T. P., 586, 734
Harris, J. D., 283
Hart, J. J., 98
Hart, S. E., 118, 649
Harvey, R. G., 92, 105, 171, 537, 602, 614
Hatzios, K. K., 403
Hayes, R. M., 698
Herrick, J. K., 762
Hesterman, O. B., 556
Hines, T. E., 324
Hinz, J. R. R., 13
Holman, C. S., 207
Horak, M. J., 132
Hsiao, A. I., 428
Hutson, J. L., 98

Ikie, F. O., 704
Inderjit, 864
Isaacs, M., 598
Ivany, J. A., 149, 744

Jacobs, J. S., 363
Jenkins, J. D., 644
Jennings, K. M., 164, 227
Jodari, F., 70
Johnson, B. J., 144, 689, 693
Johnson, Q., 598
Johnson, W. G., 207, 453
Jordan, D. L., 19, 221, 354, 379, 762, 804
Jordan, G. L., 39

Kachman, S. D., 138
Kadir, S., 775
Kalnay, P., 436
Kapusta, G., 810
Kells, J. J., 373, 444, 556, 602
Kendig, J. A., 453
Khan, A. A., 527
Kimball, S. L., 189
Kirby, D. R., 586, 734
Kirby, M. M., 586
Kirkwyland, J. J., 81, 235
Koscelny, J. A., 30, 35
Kotoula-Syka, E., 403
Krabbenhoft, K. D., 586
Krausz, R. F., 810
Kuehl, B. D., 265

Langton, S. J., 105
Lass, L. W., 248
Lauer, J. G., 110
Libbey, C., 775
Lindgren, C. J., 824
Linker, H. M., 473
Linscombe, S. D., 70, 303, 662
Littlefield, T. A., 1
Liu, S. H., 428
Lym, R. G., 265, 787
Lyon, D. J., 138

Mahnken, G. W., 748
Majek, B. A., 417
Majerus, M. E., 644
Malik, N., 346
Mallory-Smith, C., 384
Martin, A. R., 567
Massey, R. E., 453
Matthews, J. L., 810
Maxwell, B. D., 182, 283
McAndrew, D. W., 502
McCarty, L. B., 1, 838
Meinen, E., 290
Mersie, W., 618
Miller, D. W., 489, 591
Mills, R. J., 88
Mitchem, W. E., 88
Mitich, L. W., 199, 394, 626, 843
Mohler, C. L., 123
Monks, C. D., 561
Monks, D. W., 88, 561
Morales-Payan, J. P., 672
Morrison, I. N., 369
Mt. Pleasant, J., 123
Mueller, T. C., 639, 698, 832
Mullahey, J. J., 656
Murdock, E. C., 157

Nester, P. R., 714
Nguyen, H. V., 527
Nissen, S. J., 138

Oard, J. H., 70
O'Donovan, J., T., 502, 527
Olson, B. E., 176
O'Sullivan, J., 720
Owen, M.D.K., 13

Padgette, S. R., 189
Parker, R., 532
Patterson, M. G., 725
Patterson, P. E., 257
Peeper, T. F., 30, 35
Peterson, D. E., 132
Phillips, W. H., II, 436, 484
Poland, S., 561

Quimby, P. C., Jr., 798

Rabaey, T. L., 92, 171, 537, 602
Rankins, A., Jr., 510
Rashid, A., 527
Rayachhetry, M. B., 64
Rayburn, E., 561
Rees, N. E., 798
Reints, J. S., 478
Retzinger, E. J., Jr., 384
Reynolds, D. B., 354, 379, 804
Richard, E. P., Jr., 410, 677
Richburg, J. S., III, 221
Royal, S. S., 51
Ruscoe, J. T., 510

Sandler, H. A., 318
Sankula, S., 70, 303, 662
Santos, B. M., 672
Satorre, E. H., 515
Schrader, K. K., 767
Scursoni, J. A., 515
Selders, A., 561
Seybold, C. A., 618
Shabana, Y. M., 212
Sharma, M. P., 527
Shaw, D. R., 510, 804
Sheley, R. L., 182, 363
Shilling, D. G., 76, 656
Shokes, F. M., 51
Sieg, C. H., 734
Simmons, F. W., 484
Snipes, C. E., 59
Sowell, B. F., 798
Spandl, E., 556, 591, 602
Sprague, C. L., 118, 241
Stachler, J. M., 444
Stahlman, P. W., 7
Stall, W. M., 672
Stapleton, G. S., 157
Stark, J. C., 257
Steckel, G. J., 484
Stoller, E. W., 118, 241
Stougaard, R. N., 45, 283
Su, S. Q., 817
Sumner, H. R., 466
Sutherland, M., 318
Svejcar, T. J., 798

Thomas, A. G., 502
Tipping, P. W., 731
Tober, D. A., 787
Toler, J. E., 157
Tonks, D. J., 270
Tredaway, J. A., 725
Tucker, C. S., 767
Uffing, A. J. M., 290
Uludag, A., 138

Vangessel, M. J., 329, 598
Vencill, W. K., 221
Vidrine, P. R., 354, 804

Walker, R. H., 152
Wallace, R. W., 39, 81, 235
Wallander, R. T., 176
Watts, J. R., 157
Wauchope, R. D., 466
Wax, L. M., 241, 484, 828
Webster, T. M., 308, 520, 543, 782
Wehtje, G. R., 152, 725
Wells, B. H., 189
Westra, P., 270, 329
White, A. D., 573
Whitson, T. D., 644
Whitwell, T., 793
Wicks, G. A., 567, 748
Wilcut, J. W., 221, 520
Willard, T. R., 76
Wilson, H. P., 324, 403
Wilson, R. G., 277
Witt, H. L., 623
Wolf, T. M., 428
Womak, A. R., 639

Yelverton, F. H., 838
Yenish, J. P., 489
York, A. C., 164, 227, 335, 354, 580
Young, B. G., 649

Zasada, I. A., 473
Zhang, J., 549

Weed Technology, Volume 11
Subject Index

Absorption, 152
ABUTH, 105, 207, 354, 549
Abutilon theophrasti, 207, 549
Abutilon theophrasti Medicus, 105, 118, 354
AC 263,222, 118, 157, 656, 708, 714, 739
AC 299,263, 649
Acanthospermum hispidum, 520
Acetochlor, 403, 444, 537, 698
Acetolactate synthase, 241
Acifluorfen, 132, 354, 567, 656, 662, 708, 739
ACNHI, 520
Addition series, 363
Additives, 45
Adjuvant(s), 45, 212, 290, 298, 549
AEGCY, 608
Agropyron spicatum (Pursh.) Scribn. and Smith, 363
AGRRE, 373, 744
Air-assist, 725
Airborne charge coupled devices, 248
Alachlor, 164, 379, 537, 602, 623, 698, 810
Alcohol ethoxylate, 298
Alfalfa, 277, 346, 556
Alginates, 212
Allelopathy, 410, 473, 677
ALS, 13
Alternaria cassiae Jurair & Kahn, 212
Alternaria eichhorniae Nag Raj & Ponnappa, 212
AMAAL, 308
AMAAR, 308
AMACH, 324, 335, 580, 623
AMAPA, 132, 308, 335, 739
Amaranthus albus L., 308
Amaranthus arenicola I.M. Johnst., 308
Amaranthus hybridus L., 324, 335, 354, 580
Amaranthus hypochondriacus L., 13
Amaranthus palmeri S. Wats., 132, 308, 335, 739
Amaranthus retroflexus L., 39, 105, 199, 235, 257, 354, 549, 755
Amaranthus rudis Sauer, 13
Amaranthus spp., 208
AMARE, 105, 235, 257, 354, 549, 755
AMATA, 13
AMBEL, 324, 335, 453, 549
Ambrosia artemsiifolia L., 324, 335, 549
Ametryn, 543
Ammonium sulfate, 354
Angora goat(s), 586, 734
Anoda cristata (L.) Schlecht., 329
Antagonism, 39, 354
ANVCR, 329

'AP 10' seashore paspalum, 689
APCCA, 436, 782
Apocynum cannabinum L., 436, 782
Application equipment, 614
Application timing, 45, 81, 235, 354, 373, 720
Aquatic weed control, 767
Aqueous gel, 212
Arachis hypogaea L., 1, 51, 308
Arachis hypogaea L. 'Florunner,' 708, 714
Arachis hypogaea L. 'GK-7,' 739
Army farm, 817
Aryloxyphenoxypropanoate, 45
Aryloxyphenoxypropionic acids, 35
Atrazine, 98, 118, 123, 207, 403, 436, 444, 549, 602, 623, 677, 767, 810
Atrazine alternatives, 118, 602
AVEFA, 35, 45, 283, 346, 515, 527, 591
Avena fatua L., 35, 45, 283, 346, 515
Azalea, 793

Bacterial polysaccharides, 212
Bahiagrass, 656
Banded nitrogen, 502
BAR gene, 303, 662
BAR-transformed rice, 70
Barley, 502, 515, 591, 744
Barnyardgrass, 39, 298, 354, 561, 762
BCH 815, 19
Bellis perennis L., 626
Benomyl, 303
Bensulfuron, 662
Bensulide, 88
Bentazon, 39, 329, 444, 460, 520, 549, 567, 662, 708, 739
Bermudagrass, 308, 460, 478, 677, 683
Biological control, 64, 182, 586, 731, 734
Bluebunch wheatgrass, 363
Blue-green algae, 767
Botryosphaeria ribis, 64
Brachiaria platyphylla (Griseb.) Nash, 335, 580, 698
BRAPP, 335, 580, 698
Brassica napus L., 817
Brassica oleracea L., 81
Brassica rapa L., 346
Brassicacea, 81
Broadleaf signalgrass, 335, 698
Broadleaf weed(s), 549, 656
BROIN, 556
Bromoxynil, 270, 335, 489, 532, 725
Bromus biebersteinii R. and S., 644
Bromus inermis Leyss., 787
Bromus secalinus L., 30
Bromus tectorum L., 277, 644
BROSE, 30
BROTE, 277, 644
BRSRA, 346
Buffer strip, 618
Bur production, 667
Burial depth, 149, 318
Butylate, 403

Cabbage, 81
CAGSE, 731
Canonical discriminant analysis, 549
CAPBP, 346
Capsella bursa-pastoris (L.) Medicus, 346
Capsicum annuum L., 672
^{14}C-2,4-DB, 152
^{14}C-glyphosate, 152
Carbamothioate herbicides, 403
Carrot, 235
CASOB, 51, 164, 212, 227, 308, 354, 510, 520
CASOC, 520
Cassia occidentalis, 520
Cattle, 586
CCHPA, 667, 748
Cellulose, 212
Cenchrus longispinus (Hack.) Fern., 667
CENMA, 363
Centaurea maculosa Lam., 363
Centaurea solstitialis L., 182
Centipedegrass, 144
Cercospora arachidicola, 51
Cercosporidium personatum (Berk. and Curt.), 51
Cereal crops management, 515
CGA-136872, 373
CGA-152005, 118, 138, 444, 810
CHEAL, 88, 105, 207, 235, 257, 290, 324, 335, 436, 453, 484, 496, 549, 561, 580, 602, 755
Cheat, 30
Chemigation, 466
Chenopodium album L., 39, 88, 105, 118, 207, 235, 257, 290, 324, 335, 484, 496, 549, 561, 580, 602, 755
Chlorimuron, 19, 105, 132, 157, 164, 227, 241, 354, 379, 444, 510, 567, 810
Chloroacetanilide herbicides, 403
Chlorophyll fluorescence, 775
Chlorothalonil, 51
Chlorpyrifos, 466
Chlorsulfuron, 30, 132, 532
Chrysanthemum leucanthemum L., 176, 248
CHYLE, 248
Citrullus lanatus L., 88
Clethodim, 598, 649, 683, 804
Clomazone, 105, 379
Clopyralid, 118, 444, 656
Cogongrass, 76
Common cocklebur, 51, 118, 164, 207, 241, 308, 453, 484
Common cocklebur competition, 51
Common groundsel, 346
Common lambsquarters, 207, 235, 257, 290, 324, 335, 436, 453, 473, 484, 489, 496, 561, 755
Common purslane, 39, 394
Common ragweed, 324, 335, 453
Common waterhemp, 13
Competition, 24, 478
Competitive relationships, 363
Computer decision model, 573
Conservation tillage, 105, 473, 567, 748
Container ornamentals, 793
Cool-season grass seed production, 644
Corn, 110, 118, 123, 171, 207, 298, 308, 373, 436, 466, 473, 543, 549, 598, 623, 667, 704, 731, 810
Corn yield, 549, 623
COTMAP, 59
Cotton, 59, 221, 308, 335, 466, 543
Cotton fruiting, 59
Cotton maturity, 59
Cotton tolerance, 59
Cotton yield, 335
Countryside farmer, 817
Crabgrass, 308
Cranberry, 318
'Critana' thickspike wheatgrass, 644
Crop competition, 573
Crop oil concentrate, 19, 298, 720
Crop rotation, 92, 543
Crop tolerance, 775
Cross-resistance, 241, 270, 598
Cross-tolerance, 598
Cultivation, 123, 373, 543
Cultural control, 149, 787
Cultural practices, 318, 608
Cultural weed control, 417
Cuscuta gronovii Willd. ex R. & S., 318
CVCGR, 318
Cyanazine, 335, 444, 580, 720, 748
Cyanobacteria, 767
CYNDA, 308, 478, 677, 683
Cynodon dactylon (L.) Pers., 308, 677, 683
Cyperus esculentus L., 221, 520, 714
Cyperus rotundus L., 520, 672, 714
Cyperus spp., 308
CYPES, 460, 520, 714
CYPRO, 460, 520, 543, 672, 714

DACGL, 556
Dahurian wildrye, 787
Dark tillage, 496
DATST, 324
Datura stramonium L., 118, 324
DAUCA, 444
Daucus carota L. var. *sativa* 'Mark I,' 235
Daylily, 793
DEDTO, 51, 520
Density, 586
Density reduction, 363
Desmodium tortuosum, 51, 520
Dicamba, 207, 270, 436, 489, 656, 689
Dichlobenil, 218
Diclofop, 35, 283, 591, 689
Difenzoquat, 527, 591
Differential response, 444
Digitaria sanguinalis (L.) Scop., 39, 144, 324, 335, 561, 580, 693
Digitaria spp., 308
DIGSA, 144, 324, 335, 453, 561, 580, 693
Dimethenamid (SAN 582H), 379
Dithiopyr, 144, 693
Diuron, 277, 656, 767
Dose response, 428
Dose response curve, 290
Downy brome, 277, 644
DPX-V9360, 373
Drift, 725
Droplet size analysis, 639
Droplet size distribution, 428
Dry matter reduction, 672
DSMA, 725

Dwarf gardenia, 793
Dynamic surface tension, 298

Early leaf spot, 51
ECHCG, 298, 354, 762
Echhornia crassipes (Mart.) Solms, 212
Echinochloa crus-galli (L.) Beauv., 39, 298, 354, 561, 762
ECLAL, 335, 708
Eclipta, 335, 708
Eclipta prostrata L., 335, 708
Ecofarming, 748
Economic analysis, 453
Economic thresholds, 828
Economically important weeds, 308
Economics, 804
EICCR, 212
ELEIN, 88, 324, 335, 561, 580
Eleusine indica (L.) Gaertn., 88, 324, 335, 561, 580
Elymus dahuricus Turcz., 787
Elymus lanceolatus (Scribn. and Smith) Gould, 644
Elymus trachycaulus (Link) Gould ex Shinners, 644
Elytrigia intermedia (Host) Nevski, 787
Elytrigia repens (L.) Nevski, 373, 744
Endemic insect herbivores, 731
Endothall, 767
English daisy, 626
Enhanced degradation, 403
Entireleaf morningglory, 164, 221, 227, 354, 725
EPHES, 265, 586, 734, 787, 798
EPTC, 403, 527, 755
ERBVI, 171
Eremochloa ophiuroides (Munro) Hack., 144
Eriochloa villosa (Thunb.) Kunth, 171
ERLOP, 144
Ethalfluralin, 88
Euphorbia esula L., 265, 734, 787, 798

F8246 (carfentrazone-ethyl), 489
Fall panicum, 207
Fenoxaprop, 478, 591, 598, 649, 693
Fenoxaprop-P-ethyl, 35, 683
Feral rye, 608
Fertilizer, 7, 614
FESAR, 693
Festuca arundinacea Schreb., 24, 693
Field mint, 149, 744
Field pennycress, 502
Fitness, 369
Flat-fan nozzle, 428
Flood, 70
Florida beggarweed, 51
Florida beggarweed competition, 51
Fluazifop-P, 346, 598, 649, 683, 804
Flumetsulam, 118, 227, 379, 444
Fluometuron, 59, 221, 335, 580
Flurazole, 118
Fluridone, 767
Fluroxypyr, 270, 656
Fomesafen, 221, 656
Forage component yields, 556
Forage quality, 556
Forage weeds, 556
Foreign matter, 164, 227
Formulation, 212
Fountain grass, 793
Fruit yield reduction, 672
Fungus, 64

Gardenia jasminoides radicans Thunb., 793
Giant foxtail, 105, 171, 207, 298, 324, 453, 502
Glufosinate, 70, 303, 484, 662
Glycine max (L.) Merr., 92, 105, 132, 157, 164, 308, 444, 453, 649, 683, 817
Glycine max (L.) Merr. 'Deltapine 3627,' 379
Glycine max (L.) Merr. 'NK 5960' and 'Young,' 227
Glyphosate, 64, 152, 189, 277, 354, 373, 410, 444, 532, 639, 644, 656, 677, 744
Glyphosate-resistant crops, 189
Glyphosate–trimesium, 639
Goosegrass, 88, 324, 335, 561
Gossypium hirsutum L., 308
Gossypium hirsutum L. 'BXN 57' and 'BXN 58,' 335
Gossypium hirsutum L. 'Deltapine 90,' 221
Gossypium hirsutum L. 'DES 119,' 59
Grain amaranth, 13
Graminicide(s), 290, 346
Granular applicator, 614
Grass tolerance to herbicides, 644
Grazing, 176
Green foxtail, 257, 369, 484, 755
Green pea, 775
Gross margin, 329
Groundnut, 708, 739
Growing degree day accumulation, 667
Growth response, 793
Growth stage, 283, 303, 373

Hairy nightshade, 257, 755
Halosulfuron, 460, 543
Haloxyfop, 683
Hard red spring wheat, 489
Hard red winter wheat, 35
Hedge bindweed [*Calystegia sepium* (L.) R. Br.], 731
Heilongjiang, 817
Helianthus annuus L., 683
Hemb dogbane, 782
Hemerocallis hybrida L., 793
Hemp sesbania, 19, 354
HERB, 573
Herbicide(s), 64, 667
Herbicide application rate, 591
Herbicide application timing, 591
Herbicide carryover, 92, 379
Herbicide combinations, 171, 662
Herbicide cost, 804
Herbicide drift, 532
Herbicide injury, 39, 88, 105
Herbicide interaction(s), 152, 354
Herbicide mixtures, 152
Herbicide movement, 98
Herbicide persistence, 379
Herbicide phytotoxicity, 775
Herbicide program, 144, 693
Herbicide rate, 549
Herbicide resistance, 13, 132, 189, 241, 270, 369, 527, 748
Herbicide resistant weeds, 208
Herbicide symptoms, 532
Herbicide timing in field corn, 207
Herbicide-resistant crops, 110, 598
Herbicide-tolerant crops, 110, 335
Hexazinone, 277
'HI 25' seashore paspalum, 689
Hieracium pratense Tausch, 248
Hordeum vulgare L., 283, 515, 744
Humectant, 212

IAQTA, 152, 520, 725
Ilex crenata Thunb. 'Helleri,' 793
Imazamethabenz, 35, 283, 591
Imazapyr, 64, 76, 132, 656, 677
Imazaquin, 13, 157, 227, 241, 379, 460, 510, 649, 689, 704, 810
Imazethapyr, 92, 110, 118, 132, 241, 329, 346, 379, 417, 567, 649, 708, 714, 739, 748, 810
Imidazolinone, 110
Imidazolinones, 35
Imperata cylindrica (L.) Beauv., 76
In-row weeder, 123
Interference, 672
Integrated control, 373, 787
Integrated management, 734
Integrated pest management, 318, 828
Integrated plant management, 787
Integrated weed management, 182
Interference, 283
Intermediate wheatgrass, 787
Interspecific interference, 510
IPOHE, 152, 164, 453, 580
IPOHG, 164, 227, 354, 725
IPOLA, 152, 164, 335, 354, 708, 725
Ipomoea hederacea L., 221, 520
Ipomoea hederacea (L.) Jacg., 152, 164, 580
Ipomoea hederacea var. *integriuscula* Gray, 164, 221, 227, 354, 520, 725
Ipomoea lacunosa L., 152, 164, 221, 335, 354, 520, 580, 708, 725
Ipomoea purpurea (L.) Roth, 118, 164, 221, 335, 520, 580
Ipomea spp., 308
Ipomoea wrightii Gray, 152, 354
IPOWR, 152, 354
IR corn, 118
Isoxaben, 793
Ivyleaf morningglory, 152, 164, 221, 453

Jacquemontia tamnifolia (L.) Griseb., 152, 520, 725
Japanese holly, 793
Jilin, 817
Jimsonweed, 118, 324
Johnsongrass, 208, 410, 804
Jointed goatgrass, 608

'K-7' seashore paspalum, 689
KCHSC, 270, 567, 748

Kentucky bluegrass, 460
Kikuyugrass, 24
Kinematic viscosity, 428
Kochia, 270, 489, 567, 748
Kochia scoparia (L.) Shrad., 270, 748

Lactofen, 13, 132, 656, 708, 739
Large crabgrass, 39, 144, 324, 335, 453, 561, 693
Late leaf spot, 51
Leaching, 98
Leaf area index, 460
Leaf-eating beetles, 824
Leafy spurge, 265, 586, 734, 787, 798
Leymus triticoides (Buckl.) Priger, 644
Liaoning, 817
Limit of detection, 832
Limit of quantitation, 832
Linuron, 235, 444, 543
Lolium multiflorum, 515
Lolium perenne L., 24
LOLMU, 515
Longspine sandbur, 667
Low-volume applications, 76
Lycopersicon esculentum Mill., 672
Lycopersicon esculentum Mill., 'Agriset,' 'Floradade,' 'Mt. Spring,' 'Sunbeam,' 324
LYSTA, 824
Lythrum salicaria L., 824

Malvern laser, 639
Mapping, 59
Maize, 298, 704
MCPA, 270, 591
Mecoprop, 689
Medicago sativa L., 277
Medicago sativa L. 'Peace,' 346
Melaleuca, 64
Melaleuca quinquenervia (Cav.) Blake, 64
MENAR, 149, 744
Mentha arvensis L., 149, 744
Mentha piperita L., 45
Methazole, 580
Methods of control, 76
Methylated seed oil and organosilicone surfactant blend, 19
Methylated seed oil, 19
Metolachlor, 207, 227, 379, 403, 537, 602, 623, 698, 720, 748, 755
Metoxuron, 290
Metribuzin, 30, 105, 157, 164, 227, 235, 257, 277, 324, 379, 410, 444, 561, 644, 677, 755, 775
Metsulfuron, 30, 132, 138
Mexican sunflower, 417
Military farm, 817
MLAQU, 64
Moisture requirement, 212
MON 12000, 118, 444, 689
MON 12037, 543
MON-12051, 460
Monitoring parameter, 824
Morningglory, 308
MSMA, 59, 221, 335, 580, 656, 693, 725
Mycoherbicide, 212

N-(phosphonomethyl) glycine, 744
NAF-75, 241
Napropamide, 561
Naptalam, 88
Negative resistance, 270
Net returns, 164, 227, 335
Newspaper mulch, 561
Nicosulfuron, 1, 171, 436, 444, 537, 598, 602, 704
Nigeria, 417
Non-chemical weed suppression, 318
Nonionic surfactant, 19
Nonuniform solute transport, 98
Norflurazon, 221
No-till, 436
No-till planting, 748
No-tillage, 473, 567
Noxious weed, 265, 586
Nutrient content, 734
Nutsedge, 308
Nutsedge tuber 543

Off-site movement, 105
Oilseed rape, 817
Orchardgrass, 556
Ordination, 502
Organic mulch, 561
Organosilicone-based surfactant, 19
Oryza sativa L., 70, 265, 303, 662
Oryza sativa L. 'Cypress,' 379
Oryza sativa L. 'Cypress,' 'Jodon,' 762
Oryza sativa L. 'Gulfmont,' 303, 662
ORYSA, 303, 662
Oryzalin, 693, 793
Oscillatoria cf. *chalybea,* 767
Oxadiazon, 693
Oxeye daisy, 176, 248
Oxyflurofen, 644, 793

Palmer amaranth, 132, 308, 335, 739
Palmleaf morningglory, 152, 354
Panicum dichotomiflorum Michx., 207, 580
Panicum miliaceum L., 138, 171
Panicum virgatum L., 618
PANDI, 207, 580
PANMI, 171
Paraquat, 39, 277, 520, 644, 767
Parasite, 704
Pascopyrum smithii (Rydb.) A. Love, 644, 787
PASNO, 656
Paspalum notatum Fluegge, 656
Paspalum vaginatum Swartz, 689
Pasture and rangeland weed control, 265
PASVA, 689
Peanut, 1, 51, 308, 573, 708, 739
Pendimethalin, 123, 132, 221, 257, 410, 417, 537, 580, 662, 693, 698, 755
Pennisetum clandestinum Hochst. ex Chiov., 24
Pennisetum rupelli Steud., 793
Pennsylvania smartweed, 118, 484, 489, 496
Pepper, 672
Peppermint, 45
Perennial ryegrass, 24, 478
Perennial weed, 543

Perennial weed control, 436, 656
Phaseolus vulgaris L., 329
PHBPU, 164, 335, 580
Phenmedipham, 290
Phenology, 283
PHLPR, 556
Photodormancy, 496
Phytotoxicity, 793
'PI 28960' seashore paspalum, 689
Picloram, 265, 656
Pinto bean, 329
Pisum sativum L., 39, 775
Pitted morningglory, 152, 164, 221, 335, 354, 708, 725
Plant development, 667
Plant habit, 466
Plant measurements, 798
Plant sampling, 798
POLCO, 502
POLPE, 549
POLPY, 484, 496
Polyacrylamide, 212
Polygonum pensylvanicum L., 118, 484, 496
Polygonum persicaria, 549
Portulaca oleracea L., 39, 394
Postemergence, 324, 708
Postemergence control, 81, 235
Potato, 149, 257, 683, 755
Pretilachlor, 403
Prickly sida, 335, 354
Primisulfuron, 13, 171, 373, 436, 444
Prodiamine, 693
Pronamide, 277
Propanil, 662, 762
Propaquizafop, 683
Proso millet, 138
'Pryor' slender wheatgrass, 644
Psathyrostachys juncea (Fisch.) Nevski., 787
Psyllium mucilloid, 212
Pubescent wheatgrass, 787
Purple loosestrife, 824
Purple nutsedge, 460, 543, 672, 714
Purple nutsedge competition, 672
Pyridate, 81, 708, 739
Pyrithiobac, 59, 725
Pyrithiobac sodium, 335

Quackgrass, 373, 744
Quailty control, 832
Quinclorac, 144, 265, 662, 689
Quizalofop, 45, 290
Quizalofop-P, 298, 649
Quizalofop-P-ethyl, 683

Rangeland, 734
Rangeland weed control, 787
Red rice, 70, 303, 662
Redroot pigweed, 39, 105, 199, 235, 257, 354, 473, 755
Reduced herbicide rates, 235, 346, 453, 537, 804
Reduced rate technology, 329
Reduced rates, 171
Reduced-tillage production, 379
'Regar' meadow bromegrass, 644

Regrowth, 436
Relative preference index, 734
Remote sensing, 248
Residue, 832
Resistance, 70, 444, 704
Rhizome burial, 149
Rhizome length, 149
Rhododendron obtusum (Lindl.) Planch 'Buccaneer,' 793
Rhododendron obtusum (Lindl.) Planch 'Snow,' 793
Rice, 265, 303, 379, 662, 762
Rimsulfuron, 324, 755
Rolling cultivator, 123
Ropewick, 76
'Rosana' western wheatgrass, 644
Rotary hoe, 123
RUBAL, 436
Runoff simulation, 618
Russian wildrye, 787
Rye, 473

Saccharum spp. 'CP 70-321' and 'CP 74-383,' 677
SACOF, 410
Safening, 39
SAN 582, 132, 623, 698
SAN 582H, 379, 537, 602
Sandhills amaranth, 308
SEBEX, 19, 354
Secale cereale, 473
Seed collection, 537
Seedbank, 176
Seedbank management, 608
Selenastrum capricornutum, 767
Senecio vulgaris L., 346
Senna obtusifolia (L.) Irwin and Barneby, 51, 157, 164, 212, 221, 227, 308, 354, 520
SENVU, 346
Sequential application(s), 70, 303, 373
Sequential herbicide applications, 478
Sequential herbicide combinations,76
Sesbania exaltata (Raf.) Rydb. ex A. W. Hill, 19, 354
Setaria faberi, 324, 484, 602
Setaria faberi Herrm., 105, 171, 298, 324
Setaria faberi L., 207
Setaria viridis (L.) Beauv., 257, 369, 755
SETFA, 105, 171, 207, 298, 324, 453, 484, 602
Sethoxydim, 81, 144, 290, 346, 598, 649, 804
Sethoxydim resistance, 649
SETVI, 257, 369, 502, 748, 755
Sheperd's-purse, 346
Shoot count, 744
'Shoshone' beardless wild rye, 644
Sicklepod, 51, 157, 164, 212, 221, 227, 308, 354, 510
Sicklepod competition, 51
Sida spinosa L., 335, 354, 520
SIDSP, 335, 354, 520
Single applications, 70, 303
Small scale farming, 417
Smallflower morningglory, 152, 725
Smooth brome, 787
Smooth bromegrass, 556
Smooth pigweed, 335, 623
Soil moisture, 775
Solanum sarrachoides Sendtner, 755
Solanum tuberosum L., 149, 683
Solanum tuberosum L. 'Russet Burbank,' 257, 755
Solanum viarum Dunal, 656
SOLSA, 257, 755
SOLVI, 656
Sorghum halepense (L.) Pers., 308, 804
SORHA, 308, 410, 804
Southern Weed Science Society weed survey, 308
Soybean(s), 92, 105, 132, 157, 164, 227, 298, 308, 379, 453, 510, 567, 649, 683, 817
Spatial weed dynamics, 782
Spike count, 744
Spotted knapweed, 363
Spray additive, 19, 762
Spray adjuvant, 466
Spray deposition, 466
Spray drift, 639
Spray efficiency, 466
Spray system, 725
Spray volume, 466
Spring barley, 283
Spurred anoda, 329
State farm, 817
Static surface tension, 428
Straw mulch, 561
STRHE, 704
Sugarcane, 410, 677
Sulfentrazone, 379
Sulfometuron, 76, 410, 656, 677
Sulfonylurea, 7
Sulfonylurea herbicides, 138, 164
Sunflower, 683
Suppression, 478
Surfactant, 64
Swamp dodder, 318
Sweet corn, 92, 720
Sweet corn injury, 92
Sweet corn tolerance, 92
Switchgrass, 618
Systems approach, 608

Tall fescue, 24, 460, 478, 693
Tall morningglory, 164, 221, 335
Tank-mix, 76
Temperature, 775
Terbacil, 277, 410
Thiazopyr, 277
Thifensulfuron, 132, 164, 379, 489, 532, 567, 591
Thiobencarb, 662
THLAR, 502
Thresholds, 473
Time of application, 1
Time of spray, 549
Timing of application, 714
Tine weeder, 123
Tithonia diversifolia, 417
Tomato, 324, 561, 672
Transformed rice, 303
Transgenic cotton, 725
Transgenic rice, 70, 662
Translocation, 152
Triallate, 527
Triasulfuron, 7, 138, 656
Triazine-resistant, 567
Tribenuron, 132, 379, 489, 591
Triclopyr, 64, 478, 656, 662
Trifluralin, 39, 227, 346, 369, 379, 410, 515
Triticum aestivum L., 744, 817
Triticum aestivum L. 'Arapahoe,' 748
Triticum aestivum L. 'Arminda,' 290
Triticum aestivum L. 'Karl,' '2180,' 7, 30, 35, 138
Tropical soda apple, 656
Tumble pigweed, 308
Turf, 24
Turfgrass injury, 144
Turfgrass quality, 689
Turfgrass tolerance, 689, 693
2,4-D, 7, 270, 379, 436, 444, 489, 532, 591, 656, 689
2,4-D amine, 379
2,4-DB, 1, 152, 354, 520, 708, 739
2-methylisoborneol, 767
Tyta luctuosa (Denis and Schiffermuller), 731

Urea-ammonium nitrate, 7, 567
Utilization, 176

Vaccinium macrocarpon Ait., 318
Varieties, 704
Vegetation mapping, 782
Velvetleaf, 105, 118, 207, 354, 489
Volatilization, 105
Volunteer canola, 346
Volunteer corn, 649

Waterhemp, 308
Waterhyacinth, 212
Watermelon, 88
Weed competition, 51
Weed control, 64, 88, 144, 227, 580, 755
Weed control program, 693
Weed detection, 248
Weed distributions, 308
Weed ecology, 496
Weed interference, 51
Weed interference model, 182
Weed management, 303, 762, 804
Weed population dynamics, 496
Weed population shifts, 308
Weed resistance, 189
Weed seed production, 537
West Africa, 417
Western wheatgrass, 787
Wetlands, 824
Wheat, 30, 532, 591, 744, 817
Wild buckwheat, 489
Wild mustard, 489
Wild oat, 35, 45, 283, 346, 527
Wild-proso millet, 171
Wine grapes, 532
Winter wheat, 7, 138, 290, 567, 608, 748

Woolly cupgrass, 171

XANST, 51, 164, 207, 241, 308, 453, 484, 520
Xanthium strumarium L., 51, 118, 164, 207, 241, 308, 484, 520

Yellow hawkweed, 248
Yellow nutsedge, 221, 460, 714
Yellow starthistle, 182
Yield, 39, 88

Zea mays L., 92, 110, 118, 123, 171, 298, 308, 373, 444, 649, 704, 720, 731, 748
Zea mays L. 'Pioneer 3245 and 3245IR,' 810
Zea mays L. 'Pioneer Brand 3732,' 667
Zea mays L. 'Pioneer 3379' and 'Pioneer 3394,' 207
Zero tillage, 502
Zoysiagrass, 460